



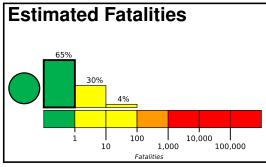


PAGER Version 7

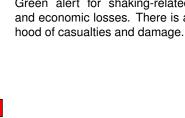
Created: 3 days, 0 hours after earthquake

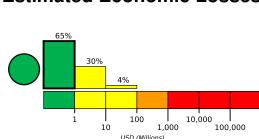
M 4.2, 3 km S of Lima, Montana

Origin Time: 2023-07-14 22:26:08 UTC (Fri 16:26:08 local) Location: 44.6097° N 112.5975° W Depth: 11.6 km



Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likeli-





Estimated Population Exposed to Earthquake Shaking

112.2°W

ESTIMATED POPULATION EXPOSURE (k=x1000)		472k	194k	0	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

113.9°W Hamilton



population per 1 sq. km from Landscan

5000

vulnerable building types are unreinforced brick masonry and reinforced masonry construction.

Historical Earthquakes

Structures

Date	Dist.	Mag.	Max	Shaking		
(UTC)	(km)		MMI(#)	Deaths		
1984-08-22	107	5.5	V(3k)	-		
1994-02-03	242	5.8	VIII(1k)	_		
1983-10-28	112	69	VII(2k)	2		

Overall, the population in this region resides in

structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

45.9°N Dillon 44.8°N Challis Rexburg Ketchum 43.6°N daho Falls lackson

100

Selected City Exposure

from GeoNames.org				
MMI	City	Population		
П	Dubois	1k		
II	Dillon	4k		
II	Saint Anthony	4k		
II	Sugar City	2k		
II	Rexburg	25k		
II	Rigby	4k		
I	Idaho Falls	57k		
I	Butte	34k		
1	Butte-Silver Bow (Balance)	34k		
1	Pocatello	54k		
I	Bozeman	37k		

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Blackfoot